

Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1. (original) A key input circuit for a portable electronic equipment comprising:

a power supply control key;

a key switch formed by arranging a plurality of key contacts at cross points of a key matrix, and equipped with one of said plural key contacts as a power supply control key contact of said power supply control key;

a key scan circuit for detecting open/close states of said plural key contacts of said key switch including said power supply control key contact; and

power supply control key state detecting means for detecting an open/close state of said power supply control key contact independent from the open/close state detection by said key scan circuit.

2. (original) A key input circuit as claimed in claim 1, wherein said key scan circuit includes:

scanning means for scanning any one of a row and a column of said key matrix by way of a binary logic signal; and

key state detecting means for acquiring said binary logic signal of said scanning means via said key matrix, and for separately detecting the open/close states of said plurality of key contacts based upon the logic value of said acquired binary logic signal.

3. (new) The key input circuit as claimed in claim 1, wherein said power supply control key state detecting means detects said open/close state of said power supply control key contact via one current path through said power supply control key contact, and wherein said key scan circuit detects said open/close state of said power supply control key contact via another current path through said power supply control key contact.